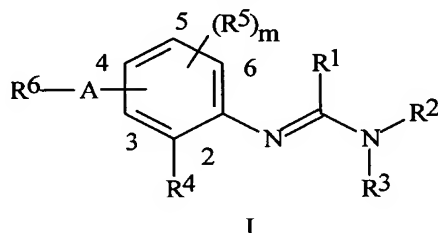


Amendments to Claims

Claims 1 through 10 (canceled)

11.(new) A compound of Formula I and or an agriculturally suitable salt thereof,



wherein:

R¹ is H, SH, methyl or C₂-C₅ alkoxy carbonyl;

R² is H; C₁-C₁₀ alkyl, C₂-C₁₀ alkenyl, C₂-C₁₀ alkynyl or cyclopropyl;

R³ is H; C₁-C₁₀ alkyl, C₂-C₁₀ alkenyl, C₂-C₁₀ alkynyl or cyclopropyl; or

R² and R³ are taken together with their interconnecting nitrogen to form a saturated heterocyclic ring containing 3 to 7 atoms, said ring consisting of said interconnecting nitrogen atom and carbon atoms, and said ring being optionally substituted with one or more R⁹;

R⁴ and each R⁵ are each independently C₁-C₆ alkyl, C₂-C₆ alkenyl, C₂-C₆ alkynyl, C₃-C₆ cycloalkyl, C₁-C₆ haloalkyl, C₂-C₆ haloalkenyl, C₂-C₆ haloalkynyl, C₃-C₆ halocycloalkyl, halogen, CN, CHO, CO₂H, CONH₂, SF₅, C₁-C₄ alkoxy, C₁-C₄ haloalkoxy, C₁-C₄ alkylthio, C₁-C₄ alkylsulfinyl, C₁-C₄ alkylsulfonyl, C₁-C₄ haloalkylthio, C₁-C₄ haloalkylsulfinyl, C₁-C₄ haloalkylsulfonyl, C₁-C₄ alkylamino, C₂-C₈ dialkylamino, C₃-C₆ cycloalkylamino, C₂-C₆ alkylcarbonyl, C₂-C₆ alkoxy carbonyl, C₂-C₆ alkylaminocarbonyl, C₃-C₈ dialkylaminocarbonyl or C₃-C₆ trialkylsilyl;

R⁶ is C₅-C₂₁ alkyl, C₅-C₂₁ alkenyl, C₅-C₂₁ alkynyl, C₄-C₉ alkoxy carbonyl, C₄-C₆ alkylaminocarbonyl, C₃-C₁₀ dialkylaminocarbonyl or C₃-C₁₂ trialkylsilyl, each optionally substituted with one or more R¹¹; or R⁶ is C₁-C₄ alkyl or C₂-C₉ alkylcarbonyl, each substituted with one or more R¹²;

A is a direct bond, O, S(O)_n or NR¹⁰;

each R⁹ is independently halogen, CN, NO₂, C₁-C₄ alkoxy, C₁-C₄ alkyl, C₁-C₄ haloalkoxy or C₁-C₄ alkylthio;

R¹⁰ is H, C₁-C₆ alkyl, C₂-C₆ alkenyl, C₂-C₆ alkynyl, C₁-C₄ alkylsulfonyl, C₁-C₄ haloalkylsulfonyl, C₂-C₆ alkylcarbonyl, C₂-C₆ alkoxy carbonyl, C₂-C₆ alkylaminocarbonyl, C₃-C₈ dialkylaminocarbonyl or C₃-C₆ trialkylsilyl;

each R¹¹ is independently halogen, CO₂H, CONH₂, NO₂, hydroxy, C₁-C₆ alkoxy, C₁-C₆ haloalkoxy, C₂-C₆ alkylthio, C₁-C₆ alkylsulfinyl, C₁-C₆ alkylsulfonyl, C₁-

C₆ haloalkylthio, C₁-C₆ haloalkylsulfinyl, C₁-C₆ haloalkylsulfonyl, C₁-C₆ alkylamino, C₂-C₈ dialkylamino, C₂-C₆ alkylcarbonyl, C₂-C₆ alkoxycarbonyl, C₃-C₉ alkoxyalkylcarbonyl, C₂-C₆ alkylaminocarbonyl, C₄-C₁₀ alkylaminoalkylcarbonyl, C₃-C₈ dialkylaminocarbonyl, C₄-C₈ dialkylaminoalkylcarbonyl, C₃-C₉ alkylthioalkylcarbonyl, C₂-C₈ dialkylphosphoryl, C₂-C₈ dialkylphosphinyl, C₃-C₉ trialkylsilyl or C₃-C₉ trialkylsilyloxy;

each R¹² is independently CO₂H, CONH₂, NO₂, C₁-C₆ haloalkoxy, C₂-C₆ alkylthio, C₁-C₆ alkylsulfinyl, C₁-C₆ alkylsulfonyl, C₁-C₆ haloalkylthio, C₁-C₆ haloalkylsulfinyl, C₁-C₆ haloalkylsulfonyl, C₁-C₆ alkylamino, C₂-C₈ dialkylamino, C₂-C₆ alkylcarbonyl, C₂-C₆ alkoxycarbonyl, C₃-C₉ alkoxyalkylcarbonyl, C₂-C₆ alkylaminocarbonyl, C₃-C₁₀ alkylaminoalkylcarbonyl, C₃-C₈ dialkylaminocarbonyl, C₄-C₈ dialkylaminoalkylcarbonyl, C₃-C₉ alkylthioalkylcarbonyl, C₃-C₉ halotrialkylsilyl, C₄-C₉ alkoxytrialkylsilyl, C₃-C₉ trialkylsilyl or C₃-C₉ trialkylsilyloxy;

n is 0, 1 or 2; and

m is 0, 1, 2 or 3;

with the proviso that when A denotes NR¹⁰, m denotes 0, R¹ denotes H, R² and R³ both denote CH₃, R¹⁰ denotes H, R⁶ denotes C₃ alkylcarbonyl substituted by R¹², then R¹² does not denote C₁ alkylsulfonyl; and

with the proviso that when R⁴ is iodo, the phenyl ring to which it is attached is not also substituted with iodo substituents at both the 4-position and the 6-position.

12.(new) A compound of Claim 11 wherein: R¹ is H, SH or methyl.

13.(new) A compound of Claim 12 wherein

R² is H; C₁-C₁₀ alkyl, C₂-C₁₀ alkenyl or C₂-C₁₀ alkynyl;

R³ is H; C₁-C₁₀ alkyl, C₂-C₁₀ alkenyl, or C₂-C₁₀ alkynyl; or

R² and R³ are taken together with their interconnecting nitrogen to form a saturated heterocyclic ring containing 3 to 7 atoms, said ring consisting of said interconnecting nitrogen atom and carbon atoms, and said ring being optionally substituted with one or more R⁹;

R⁴ and R⁵ are each independently C₁-C₆ alkyl, C₂-C₆ alkenyl, C₂-C₆ alkynyl, C₁-C₆ haloalkyl, halogen, CO₂H, CONH₂, C₁-C₄ alkoxy, C₁-C₄ haloalkoxy, C₁-C₄ alkylthio, C₁-C₄ alkylsulfinyl, C₁-C₄ alkylsulfonyl, C₁-C₄ haloalkylthio, C₁-C₄ haloalkylsulfinyl, C₁-C₄ haloalkylsulfonyl, C₂-C₆ alkylcarbonyl, C₂-C₆ alkoxycarbonyl, C₁-C₆ alkylaminocarbonyl, CN, CHO or C₃-C₈ dialkylaminocarbonyl;

R⁶ is C₅-C₁₅ alkyl, C₅-C₁₅ alkenyl or C₅-C₁₅ alkynyl, each optionally substituted with one or more R¹¹; or R⁶ is C₁-C₄ alkyl substituted with one or more R¹²;

A is a direct bond, O or S(O)_n; and

m is 0, 1 or 2.

14.(new) A compound of Claim 13 wherein

A is attached to the remainder of Formula I at the 4 position of the benzene ring.

15.(new) A compound of Claim 14 wherein

R² and R³ are each independently H or C₁-C₁₀ alkyl; or

R² and R³ are taken together with their interconnecting nitrogen to form a saturated heterocyclic ring containing 3 to 7 atoms, said ring consisting of said interconnecting nitrogen atom and carbon atoms, and said ring being optionally substituted with one or more R⁹;

R⁴ and R⁵ are each independently halogen, CN, CHO, C₁-C₆ alkyl, C₁-C₄ alkoxy, C₁-C₄ haloalkoxy, C₁-C₄ alkylthio, C₁-C₄ alkylsulfinyl, C₁-C₄ haloalkylthio, C₁-C₄ haloalkylsulfinyl or C₁-C₆ haloalkyl;

one R⁵ is attached to the remainder of Formula I at the 5 position of the benzene ring and an optional second R⁵ is attached at the 6 position of the benzene ring; and

m is 1 or 2.

16.(new) A compound of Claim 15 wherein

R¹ is H; and

R⁶ is C₆-C₁₅ alkyl wherein at least one of the fourth and fifth carbon from A has one or no hydrogen attached or C₅-C₁₅ 2-alkenyl wherein the fourth or fifth carbon from A has one or no hydrogen attached.

17.(new) A compound of Claim 16 wherein R⁶ is (CH₂)₃C(CH₃)₃ or CH(CH₃)CH₂CH₂C(CH₃)₃.

18.(new) A compound of Claim 15 wherein

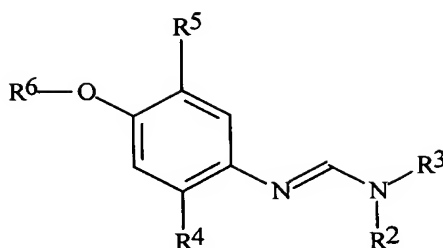
R¹ is H; and

R⁶ is C₁-C₄ alkyl substituted with one or more substituents selected from the group consisting of C₂-C₆ alkylthio, C₁-C₆ alkylsulfinyl, C₂-C₆ alkoxycarbonyl, C₂-C₈ dialkylamino, C₂-C₆ alkylcarbonyl, C₃-C₉ alkoxyalkylcarbonyl, C₂-C₆ alkylaminocarbonyl, C₃-C₈ dialkylaminocarbonyl, C₃-C₉ trialkylsilyl, C₃-C₉ halotrialkylsilyl, C₄-C₉ alkoxytrialkylsilyl or C₃-C₉ trialkylsilyloxy.

19.(new) A compound of Claim 18 wherein R⁶ is alkyltrialkylsilyl.

20.(new) A compound of Claim 16 wherein R² and R³ are each independently methyl or ethyl.

21.(new) A compound of Claim 11 having the formula



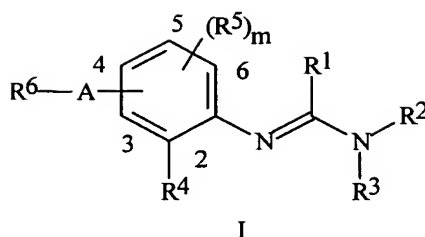
wherein (1) R^6 is $CH_2CH_2CH_2Si(CH_3)_3$, $CH_2CH_2CH_2C(CH_3)_3$, $CH_2CH_2CH_2CH(CH_3)_2$ or $CH_2CH_2CH_2Si(CH_3)_2(C_2H_5)$; and R^2 is CH_3 ; R^3 is CH_3 , C_2H_5 , $CH(CH_3)_2$, cyclopropyl, $CH_2CH=CH_2$ or $CH_2C\equiv CH$; R^4 is CH_3 ; and R^5 is C_2H_5 , Br, CH_2F , CHF_2 , CF_3 , CH_2Cl , CH_2Br , CN or CHO; or R^2 is CH_3 ; R^3 is CH_3 , C_2H_5 , $CH(CH_3)_2$, cyclopropyl, $CH_2CH=CH_2$ or $CH_2C\equiv CH$; R^4 is C_2H_5 ; and R^5 is Cl or F; or R^2 is CH_3 ; R^3 is CH_3 , C_2H_5 , $CH(CH_3)_2$, cyclopropyl, $CH_2CH=CH_2$ or $CH_2C\equiv CH$; R^4 is CH_2Br ; and R^5 is Cl or F; or R^2 is CH_3 ; R^3 is CH_3 , C_2H_5 , $CH(CH_3)_2$, cyclopropyl, $CH_2CH=CH_2$ or $CH_2C\equiv CH$; R^4 is CH_2SCH_3 or CH_2OCH_3 ; and R^5 is Cl; or R^2 is C_2H_5 ; R^3 is C_2H_5 ; R^4 is C_2H_5 or CH_2Br ; and R^5 is Cl or F; or R^2 is CH_3 ; R^3 is CH_3 , C_2H_5 , $CH(CH_3)_2$, cyclopropyl, $CH_2CH=CH_2$ or $CH_2C\equiv CH$; R^4 is CH_2Br ; and R^5 is CN; or R^2 is C_2H_5 ; R^3 is C_2H_5 ; R^4 is CH_2Br ; and R^5 is CN; or R^2 is C_2H_5 ; R^3 is C_2H_5 ; R^4 is CH_3 ; and R^5 is C_2H_5 , Br, CH_2F , CHF_2 , CF_3 , CH_2Cl , CH_2Br or CHO; or R^2 is C_2H_5 ; R^3 is C_2H_5 ; R^4 is CH_2OCH_3 or CH_2SCH_3 ; and R^5 is Cl; or wherein (2) R^6 is $CH_2CH_2CH_2Si(CH_3)_3$ or $CH_2CH_2CH_2C(CH_3)_3$; and R^2 is CH_3 ; R^3 is CH_2CH_2F ; R^4 is CH_3 ; and R^5 is C_2H_5 , Br, CH_2F , CHF_2 , CF_3 , CH_2Cl , CH_2Br , CHO or CN; or R^2 is CH_3 ; R^3 is CH_2CH_2F ; R^4 is C_2H_5 or CH_2Br ; and R^5 is Cl or F; or R^2 is CH_3 ; R^3 is CH_2CH_2F ; R^4 is CH_2SCH_3 or CH_2OCH_3 ; and R^5 is Cl; or R^2 is CH_3 ; R^3 is CH_2CH_2F ; R^4 is CH_2Br ; and R^5 is CN.

22.(new) A fungicidal composition comprising a fungicidally effective amount of a compound of Claim 11 and at least one additional component selected from the group consisting of surfactants, solid diluents and liquid diluents.

23.(new) A fungicidal composition comprising a mixture of a compound Claim 11 and at least one other fungicide having a different mode of action.

24.(new) A method for controlling plant diseases caused by fungal plant pathogens comprising applying to the plant or portion thereof, or to the plant seed or seedling, a fungicidally effective amount of a compound of Claim 11.

25 (new). A compound of Formula I and or an agriculturally suitable salt thereof,



wherein:

R¹ is H;

R² and R³ is each independently H or C₁-C₁₀ alkyl; or

R² and R³ are taken together with their interconnecting nitrogen to form a heterocyclic ring containing 3 to 7 atoms, said ring consisting of said interconnecting nitrogen atom, carbon and optionally one or two additional atoms selected from the group consisting of nitrogen, sulfur and oxygen, and said ring being optionally substituted with one or more R⁹;

R⁴ and each R⁵ are each independently halogen, CN, CHO, C₁-C₆ alkyl, C₁-C₄ alkoxy, C₁-C₄ haloalkoxy, C₁-C₄ alkylthio, C₁-C₄ alkylsulfinyl, C₁-C₄ haloalkylthio, C₁-C₄ haloalkylsulfinyl or C₁-C₆ haloalkyl;

One R⁵ is attached to the remainder of Formula I at the 5 position of the benzene ring and an optional second R⁵ is attached at the 6 position of the benzene ring;

R⁶ is C₆-C₁₅ alkyl wherein at least one of the fourth and fifth carbon from A has one or no hydrogen attached or C₅-C₁₅ 2-alkenyl wherein the fourth or fifth carbon from A has one or no hydrogen attached;

A is a direct bond, O or S(O)_n; and

A is attached to the remainder of Formula I at the 4 position of the benzene ring;

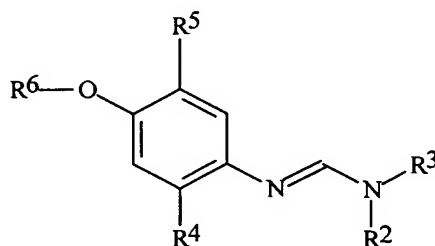
each R⁹ is independently halogen, CN, NO₂, C₁-C₄ alkoxy, C₁-C₄ alkyl, C₁-C₄ haloalkoxy or C₁-C₄ alkylthio;

n is 0, 1 or 2; and

m is 1 or 2.

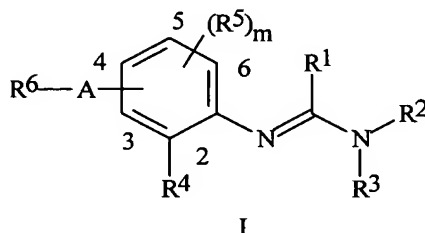
26.(new) A compound of any of Claim 25 wherein A is O and wherein R² and R³ are each independently methyl or ethyl.

27.(new) A compound of Claim 25 having the formula



wherein R² is CH₃; R³ is C₂H₅; R⁴ is CH₃; R₅ is CF₃, Cl or CHF₂; and R⁶ is CH₂CH₂CH₂Si(CH₃)₃.

28.(new) A compound of Formula I and or an agriculturally suitable salt thereof,



wherein:

R¹ is H;

R² and R³ is each independently H or C₁-C₁₀ alkyl; or

R² and R³ are taken together with their interconnecting nitrogen to form a heterocyclic ring containing 3 to 7 atoms, said ring consisting of said interconnecting nitrogen atom, carbon and optionally one or two additional atoms selected from the group consisting of nitrogen, sulfur and oxygen, and said ring being optionally substituted with one or more R⁹;

R⁴ and each R⁵ are each independently halogen, CN, CHO, C₁-C₆ alkyl, C₁-C₄ alkoxy, C₁-C₄ haloalkoxy, C₁-C₄ alkylthio, C₁-C₄ alkylsulfinyl, C₁-C₄ haloalkylthio, C₁-C₄ haloalkylsulfinyl or C₁-C₆ haloalkyl;

One R⁵ is attached to the remainder of Formula I at the 5 position of the benzene ring and an optional second R⁵ is attached at the 6 position of the benzene ring;

R⁶ is C₁-C₄ alkyl substituted with one or more substituents selected from the group consisting of C₂-C₆ alkylthio, C₁-C₆ alkylsulfinyl, C₂-C₆ alkoxy, C₂-C₈ dialkylamino, C₂-C₆ alkylcarbonyl, C₃-C₉ alkoxyalkylcarbonyl, C₂-C₆ alkylaminocarbonyl, C₃-C₈ dialkylaminocarbonyl, C₃-C₉ trialkylsilyl, C₃-C₉ haloalkylsilyl, C₄-C₉ alkoxytrialkylsilyl or C₃-C₉ trialkylsilyloxy;

A is a direct bond, O or S(O)_n; and

A is attached to the remainder of Formula I at the 4 position of the benzene ring;

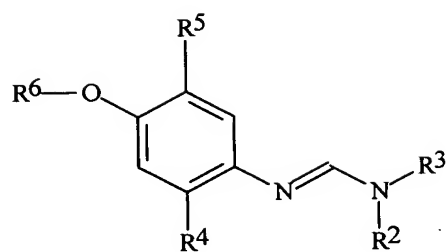
each R⁹ is independently halogen, CN, NO₂, C₁-C₄ alkoxy, C₁-C₄ alkyl, C₁-C₄ haloalkoxy or C₁-C₄ alkylthio;

n is 0, 1 or 2; and

m is 1 or 2.

29.(new) A compound of any of Claim 28 wherein A is O and wherein R² and R³ are each independently methyl or ethyl.

30.(new) A compound of Claim 28 having the formula



wherein R² is CH₃; R³ is C₂H₅; R⁴ is CH₃; R₅ is CF₃, Cl or CHF₂; and R⁶ is CH₂CH₂CH₂C(CH₃)₃.